L Number	Hits		DB	Time stamp
1	2	jp-06313392\$-\$.did.	USPAT;	2004/06/13 15:01
			US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM TDB	
2	49	(US-5812284-\$ or US-5812109-\$ or	USPAT;	2004/06/13 14:38
		US-6075256-\$ or US-5591963-\$ or	US-PGPUB;	
ŀ	l .	US-4811069-\$ or US-5767560-\$ or	JPO;	
	ļ	US-5352921-\$ or US-5101255-\$ or	DERWENT	
		US-5352897-\$ or US-4980769-\$ or US-4703169-\$ or US-4740710-\$ or		
1		US-5596198-\$ or US-4696022-\$ or		
		US-6127692-\$ or US-5801385-\$ or		
		US-6239355-\$ or US-6476867-\$ or		
		US-6512279-\$ or US-5335094-\$ or		
		US-5060040-\$ or US-5233442-\$ or US-5317406-\$ or US-5272548-\$ or		
		US-4745488-\$ or US-4926058-\$).did. or		
		(US-5591960-\$ or US-6245601-\$ or		
		US-6127684-\$ or US-5914485-\$ or		
		US-6034406-\$ or US-6191411-\$ or		
		US-5841180-\$ or US-4341954-\$).did. or		
		(US-20020186813-\$ or US-20020167061-\$ or US-20010050402-\$ or US-20010024844-\$).did.		
		or (JP-63144565-\$ or JP-64000775-\$ or		
		JP-62058674-\$ or JP-06233197-\$ or		
	-	JP-63250634-\$ or JP-04154280-\$ or		
		JP-03159483-\$ or JP-11121783-\$ or		
		JP-09098970-\$ or JP-2003185751-\$).did. or (JP-11307756-\$ or JP-05335544-\$).did.		
3	2	umibe.in. and (idle idling)	USPAT;	2004/06/13 14:41
		(2020 2021)	US-PGPUB;	
			JPO;	
	_		DERWENT	0004/06/10 14 41
4	2	jp-08116044\$-\$.did.	USPAT; US-PGPUB;	2004/06/13 14:41
			JPO;	
			DERWENT	
5	2	842694.ap.	USPAT;	2004/06/13 15:03
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
6	2	("6185717").PN.	USPAT;	2004/06/13 15:27
			US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
7	823	257/414	USPAT;	2004/06/13 15:27
1			US-PGPUB;	
			EPO; JPO;	
	1		DERWENT;	
8	1725	257/431	IBM_TDB USPAT;	2004/06/13 15:27
	1,23	23.7.102	US-PGPUB;	2001,00,10 10.27
			EPO; JPO;	
	1		DERWENT;	
9	2118	((257/414) or (257/431) or (257/448) or	IBM_TDB USPAT;	2004/06/13 15:28
"	7118	((257/414) or (257/431) or (257/448) or (257/449) or (257/449) or (250/370.01)).CCLS.	USPAT; US-PGPUB	2004/06/13 15:28
10	233	(((257/414) or (257/431) or (257/448) or	USPAT;	2004/06/13 15:59
1		(257/449) or (250/370.01)).CCLS.) and	US-PGPUB;	
1		(convertor converter conversion	EPO; JPO;	
1		conversions) and (switching switch	DERWENT;	
11	6	switches) (((257/414) or (257/431) or (257/448) or	IBM_TDB USPAT;	2004/06/13 15:47
		(((257/414) of (257/431) of (257/448) of (257/449) or (250/370.01)).CCLS.) and	US-PGPUB;	2007/00/13 13:4/
	[(convertor converter conversion	EPO; JPO;	
		conversions) and (switching switch	DERWENT;	
L		switches) and (idler idling idle)	IBM_TDB	

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12	5	(((257/414) or (257/431) or (257/448) or	USPAT;	2004/06/13 15:48
		(257/449) or (250/370.01)).CCLS.) and	US-PGPUB;	
	Ì	(convertor converter conversion	EPO; JPO;	
		conversions) and (switching switch switches) and (idler idling idle) and	DERWENT; IBM TDB	
		(photo-electric photoelectric photo light)	100-100	
13	3	(((257/414) or (257/431) or (257/448) or	USPAT;	2004/06/13 15:49
13		((257/414) or (257/431) or (257/440) or (257/449) or (257/449) and	US-PGPUB;	2004/00/13 13:43
1		(convertor converter conversion	EPO; JPO;	
		conversions) and (switching switch	DERWENT;	
		switches) and (idler idling idle) and	IBM TDB]
		(photo-electric photoelectric photo		1
		light).ti,ab,clm.		
14	2	(((257/414) or (257/431) or (257/448) or	USPAT;	2004/06/13 15:49
		(257/449) or (250/370.01)).CCLS.) and	US-PGPUB;	
		(convertor converter conversion	EPO; JPO;	
		conversions) and (switching switch	DERWENT;	
		switches) and (idler idling idle) and	IBM_TDB	
		(photo-electric photoelectric photo		
		light).ti,ab,clm. and (semiconducting		
135	4050	semiconductor)	HCDAM.	2004/06/13 16:00
15	4250	photoelectric adj conver\$3.ti.	USPAT;	2004/06/13 16:00
			US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM TDB	
16	10	photoelectric adj conver\$3.ti. and	USPAT;	2004/06/13 16:06
10		257/\$9.ccls. and switch\$3 and	US-PGPUB;	
		photoelectric adj conversion adj mode	EPO; JPO;	
			DERWENT;	
			IBM TDB	
17	6	(257/e31.097).CCLS.	USPĀT;	2004/06/13 16:08
			US-PGPUB	
18	2	((257/e31.097).CCLS.) and (idl\$3 mode)	USPAT;	2004/06/13 16:09
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
1.0	710	(057/420) 0070	IBM_TDB	2004/06/12 16:10
19	712	(257/432).CCLS.	USPAT; US-PGPUB	2004/06/13 16:10
20	1	((257/432).CCLS.) and idl\$3 near3 mode	USPAT;	2004/06/13 16:10
20	1	((237)432).ccbs.) and ldips hears mode	US-PGPUB;	2004/00/13 10:10
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
21	154	((257/432).CCLS.) and (idl\$3 mode)	USPAT;	2004/06/13 16:11
			US-PGPUB;	
			EPO; JPO;	
	1		DERWENT;	
	1		IBM_TDB	
22	130	(((257/432).CCLS.) and (idl\$3 mode)) not	USPAT;	2004/06/13 16:13
		(((257/414) or (257/431) or (257/448) or	US-PGPUB;	
1		(257/449) or (250/370.01)).CCLS.)	EPO; JPO;	
			DERWENT;	
23	16	(((257/432).CCLS.) and (idl\$3 mode)) and	IBM_TDB USPAT;	2004/06/13 16:13
23	10	photoelectric near2 conver\$4	US-PGPUB;	. 5004/00/12 10:13
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
24	0	(((257/432).CCLS.) and (idl\$3 mode)) and	USPAT;	2004/06/13 16:13
		photo-electric near2 conver\$4	US-PGPUB;	
1			EPO; JPO;	
1	Ī		DERWENT;	
			IBM_TDB	
-	0	("photoelectric adj convert\$3.clm.").PN.	USPAT;	2003/12/27 12:05
			US-PGPUB;	
1			EPO; JPO;	
			DERWENT;	
L			IBM TDB	

-	1198	photoelectric adj convert\$3.clm.	USPAT;	2002/01/17 08:51
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	29	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	USPAT;	2002/01/17 09:42
		electrode adj layer.clm.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	6	\ \frac{1}{2} = = = = = = = = = = = = = = = = = = =	USPAT;	2002/01/17 09:57
		electrode adj layer.clm.) and	US-PGPUB;	
		switching.clm.	EPO; JPO;	
			DERWENT;	
1			IBM_TDB	0000 (01 (17 10 10
-	14	, , , , , , , , , , , , , , , , , , , ,	USPAT	2002/01/17 10:40
		or ("5914485") or ("5841180") or	!	
		("5812284") or ("5812109") or ("5335094")		
		or ("5317406") or ("5233442") or		
		("5272548") or ("5060040") or ("4926058")		
		or ("4745488")).PN.	HODAG	2002/01/17 12 22
	41.		USPAT;	2002/01/17 13:39
	1	or ("6034406") or ("5914485") or	US-PGPUB;	
		("5841180") or ("5812284") or ("5812109")	EPO; JPO;	
		or ("5335094") or ("5317406") or	DERWENT;	
		("5272548") or ("5233442") or ("5060040")	IBM_TDB	
		or ("4926058") or ("4745488")).PN.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0000 (01 (17 14 07
-	5	(((USPAT;	2002/01/17 14:07
•		("6127684") or ("6034406") or ("5914485")	US-PGPUB;	
		or ("5841180") or ("5812284") or	EPO; JPO;	
		("5812109") or ("5335094") or ("5317406")	DERWENT;	
		or ("5272548") or ("5233442") or	IBM_TDB	
		("5060040") or ("4926058") or		
		("4745488")).PN.) and 257/\$6.ccls.	HODAM.	2002/01/17 14-10
-	"	("photoelectric.ti. and system.ti. and	USPAT;	2002/01/17 14:10
•		converter.ti,ab.").PN.	US-PGPUB;	
			EPO; JPO; DERWENT;	
			-	
	310	photoelectric.ti. and system.ti. and	IBM_TDB USPAT;	2002/01/17 14:11
_	310	converter.ti,ab.	US-PGPUB;	2002/01/1/ 14:11
		Converter.tr, ab.	EPO; JPO;	
			DERWENT;	
	1	·	IBM TDB	
_	4	photoelectric.ti. and system.ti. and	USPAT;	2002/01/17 14:17
		converter.ti,ab. and switching and	US-PGPUB;	2002/01/1/ 14.1/
		injection adj blocking	EPO; JPO;	
		l substitution and substitution	DERWENT;	
			IBM TDB	
-	357	(257/414).CCLS.	USPAT;	2002/01/17 14:18
	1	(22., 12., 100.00)	US-PGPUB;	
	1		EPO; JPO;	
			DERWENT;	
	1		IBM TDB	
_	1052	(257/431).CCLS.	USPAT;	2002/01/17 14:18
	-555	· · ·, ·	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB]
-	660	(257/448).CCLS.	USPAT;	2002/01/17 14:18
			US-PGPUB;	
	<u> </u>		EPO; JPO;	
1			DERWENT;	
1			IBM TDB	
-	193	(257/449).CCLS.	USPAT;	2002/01/17 14:19
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	

		1 (050 (050 01) 000 0	Luc Dam	0000/01/17 14 01
-	552	(250/370.01).CCLS.	USPAT; US-PGPUB;	2002/01/17 14:21
			EPO; JPO;	
			DERWENT; IBM TDB	
j	0		USPAT;	2002/01/17 14:21
		or L17 or L18").PN.	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM_TDB	
-	427	((("257/414").CCLS.) or (("257/428").CCLS.) or (("257/431").CCLS.)	USPAT; JPO	2002/01/17 14:23
•		or (("257/434").CCLS.) or		
		(("257/444").CCLS.) or (("257/448").CCLS.)		
		or (("257/449").CCLS.) or (("250/370.01").CCLS.)) and		
		photoelectric.ti,ab.		
-	13	(((("257/414").CCLS.) or (("257/428").CCLS.) or (("257/431").CCLS.)	USPAT; JPO	2002/01/17 14:23
		or (("257/434").CCLS.) or		
		(("257/444").CCLS.) or (("257/448").CCLS.)		
		or (("257/449").CCLS.) or (("250/370.01").CCLS.)) and		
		photoelectric.ti,ab.) and blocking adj2		
	<u>د</u>	layer ((insulating or insulator) near10	USPAT;	2002/01/17 14:32
		blocking) near10 layer and ((("4341954")	US-PGPUB;	2002,01/1/ 14.52
2.		or ("6191411") or ("6127684") or ("6034406") or ("5914485") or ("5841180")	EPO; JPO; DERWENT;	
,		or ("5812284") or ("5812109") or	IBM TDB	
		("5335094") or ("5317406") or ("5272548")	_	
		or ("5233442") or ("5060040") or ("4926058") or ("4745488") or ("6245601")		
		or ("6075256") or ("5767560") or		
		("5352921") or ("5101255") or ("4811069")).PN.)		
_	44		USPAT;	2002/01/17 14:43
		or ("6034406") or ("5914485") or	JPO; DERWENT;	
		("5841180") or ("5812284") or ("5812109") or ("5335094") or ("5317406") or	IBM TDB	
		("5272548") or ("5233442") or ("5060040")	_	
		or ("4926058") or ("4745488") or ("6245601") or ("6075256") or ("5767560")		
		or ("5352921") or ("5101255") or		
_	93	("4811069")).PN. (((("257/414").CCLS.) or	USPAT; JPO	2002/01/17 15:58
		(("257/428").CCLS.) or (("257/431").CCLS.)		
		or (("257/434").CCLS.) or (("257/444").CCLS.)		·
		or (("257/449").CCLS.) or		
		(("250/370.01").CCLS.)) and		
-	78	photoelectric.ti,ab.) and lamin\$5 schottky adj barrier and photoelectric adj	USPAT; JPO	2002/01/17 16:00
		conver\$4.ti,ab.	·	·
-	11	schottky adj barrier and photoelectric adj conver\$4.ti,ab. and blocking	USPAT; JPO	2002/01/17 16:17
-	1	switching and (idling or recess\$2) and	USPAT; JPO	2002/01/17 16:20
		refresh\$3 and (photoelectric or photo-electric) adj2 conver\$3		
-	613	switch\$3 and photoelectric adj2	USPAT; JPO	2002/01/17 16:21
_	99	conver\$3.ti,ab. switch\$3 and photoelectric adj2	USPAT; JPO	2002/01/17 16:24
	93	conver\$3.ti,ab. and (250/\$6.ccls. or	OSERI, UEU	2002/01/1/ 10.24
_	E0.	257/\$6.ccls.)	Henam. The	2002/01/17 16:20
-	50	<pre>switch\$3 and photoelectric adj2 conver\$3.ti,ab. and (refresh\$3 or reset\$4</pre>	USPAT; JPO	2002/01/17 16:29
		or idl\$3 or stop\$4) and (250/\$6.ccls. or		
_	33	257/\$6.ccls.) photoelectric adj2 conver\$3.ti,ab. and	USPAT: JPO	2002/01/17 16:30
		((refresh\$3 or reset\$4 or idl\$3 or stop\$4)		1552, 51, 17 15.50
		same switch\$3) and (250/\$6.ccls. or 257/\$6.ccls.)		
L		201/90.CCIS./		

_	3	photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) same switch\$3 same	USPAT; JPO	2002/01/17 16:37
		(stop\$4 or id1\$3)) and (250/\$6.ccls. or 257/\$6.ccls.)		
_	1	photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3)) and	USPAT; JPO	2002/01/17 16:49
-	5	(250/\$6.ccls. or 257/\$6.ccls.) photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4) near15 switch\$3 near15 (stop\$4 or idl\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/01/17 17:21
	2	jp-06233197\$-\$.did.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/01/17 17:22
_	5	((("257/414").CCLS.) or (("257/428").CCLS.) or (("257/431").CCLS.) or (("257/434").CCLS.) or (("257/444").CCLS.) or (("257/448").CCLS.)	IBM_TDB USPAT; JPO	2002/01/17 17:51
		or (("257/449").CCLS.) or (("250/370.01").CCLS.)) and (reverse near10 voltage) and photoelectric adj2 converter		
		((("257/414").CCLS.) or (("257/428").CCLS.) or (("257/431").CCLS.) or (("257/434").CCLS.) or (("257/444").CCLS.) or (("257/448").CCLS.) or (("257/449").CCLS.) or (("250/370.01").CCLS.)) and ((reverse near12 voltage) near12 switch\$3) and	USPAT; JPO	2002/01/17 17:51
_	0	photoelectric adj2 converter ((("257/414").CCLS.) or (("257/428").CCLS.) or (("257/431").CCLS.) or (("257/434").CCLS.) or (("257/444").CCLS.) or (("257/448").CCLS.) or (("257/449").CCLS.) or (("250/370.01").CCLS.)) and ((reverse near15 voltage) near15 switch\$3) and	USPAT; JPO	2002/01/17 17:52
-	0	photoelectric adj2 converter ((("257/414").CCLS.) or (("257/428").CCLS.) or (("257/431").CCLS.) or (("257/434").CCLS.) or (("257/444").CCLS.) or (("257/448").CCLS.) or (("257/449").CCLS.) or	USPAT; JPO	2002/01/17 17:53
-	0	(("250/370.01").CCLS.)) and ((reverse near15 (polarity or voltage)) near15 switch\$3) and photoelectric adj2 converter ((("257/414").CCLS.) or (("257/428").CCLS.) or (("257/431").CCLS.) or (("257/434").CCLS.) or (("257/444").CCLS.) or (("257/444").CCLS.) or (("257/444").CCLS.) or (("257/444").CCLS.) or (("257/449").CCLS.) or (("250/370.01").CCLS.)) and ((reverse near15 (polarity or voltage or bias)) near15 switch\$3) and photoelectric adj2	USPAT; JPO	2002/01/17 17:53
_	23	converter plurality adj2 photoelectric adj conver\$3.clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/01/18 11:52
_	2	plurality adj2 photoelectric adj conver\$3.clm. and switch\$3.clm.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/01/18 11:54
			IBM_TDB	

-	2	plurality adj2 photoelectric adj	USPAT;	2002/01/18 11:54
		conver\$3.clm. and switch\$3.clm. and	US-PGPUB;	
		switch\$3 and conver\$3	EPO; JPO;	
			DERWENT; IBM TDB	
_	3419	(("257/414").CCLS.) or (("257/428").CCLS.)	USPAT; JPO	2002/01/18 13:30
-	2419	or (("257/431").CCLS.) or	OSIAI, OIO	2002/01/10 15.50
		(("257/434").CCLS.) or (("257/444").CCLS.)		
	•	or (("257/448").CCLS.) or		
		(("257/449").CCLS.) or		,
		(("250/370.01").CCLS.)		
-	0	1 (((== : / : == : / : ==	USPAT; JPO	2002/01/18 13:34
		(("257/428").CCLS.) or (("257/431").CCLS.)		
		or (("257/434").CCLS.) or		
ĺ		(("257/444").CCLS.) or (("257/448").CCLS.)		
		or (("257/449").CCLS.) or		
		(("250/370.01").CCLS.)) and plurality adj2 photoelectric adj2 conver\$3 and switch\$3		
		and (matrix or matrices)		
_	0	((("257/414").CCLS.) or	USPAT; JPO	2002/01/18 13:35
		(("257/428").CCLS.) or (("257/431").CCLS.)	OBIAI, OIO	2002/01/10 13.33
		or (("257/434").CCLS.) or		
		(("257/444").CCLS.) or (("257/448").CCLS.)		
		or (("257/449").CCLS.) or		
		(("250/370.01").CCLS.)) and plurality adj2		
	1.	photoelectric adj2 conver\$3 and switch\$3		
-	21	1	USPAT;	2002/01/18 14:23
		and switch\$3	US-PGPUB;	
-			EPO; JPO;	
			DERWENT;	
_	5	(plurality adj2 photoelectric adj2	IBM_TDB USPAT;	2002/01/18 15:01
		conver\$3 and switch\$3) and (common with	US-PGPUB;	2002/01/10 13:01
		electrode)	EPO; JPO;	
		 ,	DERWENT;	
			IBM TDB	
-	0	p	USPĀT;	2002/01/18 15:04
	1	signal adj process\$3 and signal adj	US-PGPUB;	
	1	(acquisition or recorder or recording) and	EPO; JPO;	
	1	signal adj display	DERWENT;	
_	0	 (photodiode or photoelectric adj	IBM_TDB USPAT;	2002/01/18 15:05
		converter).ti,ab. and signal adj process\$3	USPAT; US-PGPUB;	2002/01/10 13:05
	1	and signal adj (acquisition or recorder or	EPO; JPO;	
		recording) and signal adj display	DERWENT;	
		y,yypy	IBM TDB	
-	177	(photodiode or photoelectric adj	USPĀT;	2002/01/18 15:06
1		converter).ti,ab. and signal and process\$3	US-PGPUB;	
		and (acquisition or recorder or recording)	EPO; JPO;	
		and display	DERWENT;	!
	0.5		IBM_TDB	0000/01/10 15 55
-	25	(photodiode or photoelectric adj	USPAT;	2002/01/18 15:08
		converter).ti,ab. and (signal same (processing or processor) same	US-PGPUB; EPO; JPO;	
		(acquisition or recorder or recording)	DERWENT;	
		same display)	IBM TDB	
-	7		USPAT;	2002/01/18 17:40
		converter).ti,ab. and (signal with	US-PGPUB;	
		(processing or processor) with	EPO; JPO;	
		(acquisition or recorder or recording)	DERWENT;	
		with display)	IBM_TDB	
~	1	6277665.pn.	USPAT;	2002/01/18 17:55
Į į			US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
_	4	5591963.pn.	USPAT;	2002/01/19 13:53
	,		US-PGPUB;	2002/01/17 13.33
			EPO; JPO;	
			DERWENT;	
			IBM TDB	

	3548	(("257/414").CCLS.) or (("257/428").CCLS.)	USPAT;	2002/01/19 16:17
-	3548	or (("257/414").CCLS.) or (("257/428").CCLS.)	US-PGPUB;	2002/01/19 10:17
		(("257/434").CCLS.) or (("257/444").CCLS.)	EPO; JPO;	
		or (("257/448").CCLS.) or	DERWENT;	
•		(("257/449").CCLS.) or	IBM TDB	
		(("250/370.01").CCLS.)	_	
-	0	((("257/414").CCLS.) or	USPAT;	2002/01/19 15:36
		(("257/428").CCLS.) or (("257/431").CCLS.)	US-PGPUB;	
		or (("257/434").CCLS.) or	EPO; JPO;	
		(("257/444").CCLS.) or (("257/448").CCLS.)	DERWENT;	
		or (("257/449").CCLS.) or	IBM_TDB	
		(("250/370.01").CCLS.)) and (phosphor same		
	1	wavelength adj conversion) and photoelectric adj conver\$3.ti,ab.		
_	5	((("257/414").CCLS.) or	USPAT;	2002/01/19 15:38
1		(("257/428").CCLS.) or (("257/431").CCLS.)	US-PGPUB;]
1		or (("257/434").CCLS.) or	EPO; JPO;	
1		(("257/444").CCLS.) or (("257/448").CCLS.)	DERWENT;	
1		or (("257/449").CCLS.) or	IBM_TDB	
	1	(("250/370.01").CCLS.)) and phosphor and		
_	45	photoelectric adj conver\$3.ti,ab. (photoelectric adj2 element or photodiode)	USPAT;	2002/01/19 15:41
_	43	same wavelength adj conversion	US-PGPUB;	2002/01/13 13.41
	1		EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	. 0	((("257/414").CCLS.) or	USPAT;	2002/01/19 15:42
• • •	1	(("257/428").CCLS.) or (("257/431").CCLS.)	US-PGPUB;	
		or (("257/434").CCLS.) or (("257/444").CCLS.)	EPO; JPO; DERWENT;	
	1.	or (("257/444").CCLS.) or	IBM TDB	
		(("250/370.01").CCLS.)) and (photoelectric	1011_100	
		adj2 element or photodiode) same		
		wavelength adj conversion		
-	59		USPAT;	2002/01/19 15:43
		adj conversion	US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
_	10	(phosphorous or phosphor) same wavelength	USPAT;	2002/01/19 15:43
		adj conversion same (photodiode or	US-PGPUB;	
		photoelectric)	EPO; JPO;	
			DERWENT;	
		(phogphoroug on phogphory)	IBM TDB	2002/01/10 15:42
_	1	(phosphorous or phosphor) same wavelength adj conversion same (photodiode or	USPAT; US-PGPUB;	2002/01/19 15:43
		photoelectric).ti,ab.	EPO; JPO;	
			DERWENT;	<u> </u>
			IBM_TDB	
-	530	(250/370.09).CCLS.	USPĀT;	2002/01/19 16:18
			US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
-	0	("L10 and idling adj mode").PN.	USPAT;	2002/01/19 16:18
			US-PGPUB;	,,,,,,,
			EPO; JPO;	
			DERWENT;	
		(/#050/270 00#) 2272)	IBM_TDB	0000/01/10 11
-	0	(("250/370.09").CCLS.) and idling adj mode	USPAT;	2002/01/19 16:19
			US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	34	(("250/370.09").CCLS.) and photoelectric	USPAT;	2002/01/19 16:19
		and carrier	US-PGPUB;	
1		•	EPO; JPO;	
			DERWENT;	
	1		IBM_TDB	

-	14	(("250/370.09").CCLS.) and photoelectric	USPAT;	2002/01/19 16:20
		and carrier and (potential same electrode)	US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM TDB	
	10	(("250/370.09").CCLS.) and photoelectric	USPAT;	2002/01/19 16:20
	"	and carrier and (potential same electrode)	US-PGPUB;	2002/01/19 20:20
		and switch\$3	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	80	(("5591963") or ("6245601") or ("6075256")	USPĀT;	2002/01/19 16:39
		or ("5914485") or ("5841180") or	US-PGPUB;	
	İ	("5767560") or ("5352921") or ("5352897")	EPO; JPO;	
		or ("5101255") or ("4811069") or	DERWENT;	
		("6191411") or ("6034406") or ("6127684") or ("5272548") or ("4341954") or	IBM_TDB	
		("5812284") or ("5812109") or ("5335094")		
		or ("5317406") or ("5233442") or		
		("5060040") or ("4926058") or ("4745488")		
		or ("5591960") or ("4980769") or		
		("4703169") or ("4740710") or ("5596198")		
		or ("4696022")).PN.	DEDITION	0000/01/10 15 15
-	0 0361		DERWENT	2002/01/19 17:02
ļ	8361	matsushita and image and recording	USPAT; US-PGPUB;	2002/01/19 17:03
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	2188	matsushita and image and recording	DERWENT	2002/01/19 17:03
_	37	matsushita and image and recording and	DERWENT	2002/01/19 17:03
		stop		
-	11	matsushita and image and recording and	DERWENT	2002/01/19 17:08
	,	stop and switch\$3	DEDITENT	2002/01/10 17:00
1 -	1 1	4703169.pn. 4703169.pn.	DERWENT USPAT	2002/01/19 17:09 2002/01/19 17:09
-	1	4179100.pn.	USPAT	2002/01/19 17:09
_	416	(257/414).CCLS.	USPAT;	2002/08/30 15:35
			US-PGPUB;	-, -,
1	•		EPO; JPO;	
			DERWENT;	
1	1	(057/400), 007.0	IBM_TDB	0000/00/00 15 05
-	269	(257/428).CCLS.	USPAT;	2002/08/30 15:35
1			US-PGPUB; EPO; JPO;	
1			DERWENT;	.
			IBM_TDB	
] -	508	(257/434).CCLS.	USPAT;	2002/08/30 15:36
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
_	184	(257/444).CCLS.	IBM_TDB USPAT;	2002/08/30 15:37
-	104	(237/444).CCDS.	USPAT; US-PGPUB;	2002/00/30 13:3/
			EPO; JPO;	
			DERWENT;	
	1		IBM TDB	
- ,	1109	(257/431).CCLS.	USPĀT;	2002/08/30 15:37
	* -		US-PGPUB;	
	1		EPO; JPO;	
ļ	1	·	DERWENT;	
_	675	(257/448).CCLS.	IBM_TDB USPAT;	2002/08/30 15:37
-	0,3	(201/140).0003.	US-PGPUB;	2002/00/30 13:3/
			EPO; JPO;	
			DERWENT;	
	[IBM_TDB	
_	203	(257/449).CCLS.	USPĀT;	2002/08/30 15:37
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	1		IBM_TDB	

				,
-	573	(250/370.01).CCLS.	USPAT;	2002/08/30 15:37
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
		•	IBM_TDB	
-	595	(250/370.09).CCLS.	USPAT;	2002/08/30 15:37
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	4202	((257/414).CCLS.) or ((257/428).CCLS.) or	IBM_TDB USPAT;	2002/08/30 15:38
-	4282	((257/414).CCLS.) or ((257/428).CCLS.) or	US-PGPUB;	2002/08/30 13:38
		((257/434).CCLS.) or ((257/444).CCLS.) or	EPO; JPO;	
		((257/449).CCLS.) or ((250/370.01).CCLS.)	DERWENT;	
		or ((250/370.09).CCLS.)	IBM TDB	
_	298	(((257/414).CCLS.) or ((257/428).CCLS.) or	USPAT;	2002/08/30 15:39
		((257/434).CCLS.) or ((257/444).CCLS.) or	US-PGPUB;	2002, 00, 00 20101
		((257/431).CCLS.) or ((257/448).CCLS.) or	EPO; JPO;	
		((257/449).CCLS.) or ((250/370.01).CCLS.)	DERWENT;	
		or ((250/370.09).CCLS.)) and photoelectric	IBM TDB	
		near2 conversion.ti,ab.	_	,
-	14	((((257/414).CCLS.) or ((257/428).CCLS.)	USPAT;	2002/08/30 18:51
1		or ((257/434).CCLS.) or ((257/444).CCLS.)	US-PGPUB;	
		or ((257/431).CCLS.) or ((257/448).CCLS.)	EPO; JPO;	
		or ((257/449).CCLS.) or	DERWENT;	
j		((250/370.01).CCLS.) or	IBM_TDB	
		((250/370.09).CCLS.)) and photoelectric		
		near2 conversion.ti,ab.) and blocking adj		
	2	layer	IICDAM.	2002/08/30 18:51
-	3	("5591963").PN.	USPAT; US-PGPUB;	2002/08/30 18:51
	\$		EPO; JPO;	
			DERWENT;	
	İ		IBM TDB	
1_	2	takeuchi.in. and x-ray and visible and	JPO JPO	2002/08/30 19:13
	_	photoelectric	010	2002,00,30 13.13
-	1	jp-62250634\$-\$.did.	JPO	2002/08/30 19:13
-	1	jp-63250634\$-\$.did.	JPO	2002/08/30 19:13
-	292	injection adj blocking adj layer	USPAT;	2003/01/14 09:45
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	2	5	USPAT;	2003/01/14 10:49
		photodetector.ti,ab.	US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
_	39	 injection adj blocking adj (layer or film)	USPAT;	2003/01/14 15:16
		and (photodetector or photoelectric adj	US-PGPUB;	2003/01/14 13.10
1		conversion).ti,ab.	EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	16	blocking adj layer near6 (electron near6	USPAT;	2003/01/14 15:19
		hole) and (photoelectric or	US-PGPUB;	
		photodetector).ti,ab.	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	28	,	USPAT;	2003/01/14 15:49
		hole) and (photoelectric or	US-PGPUB;	
		photodetector).ti,ab.	EPO; JPO;	
			DERWENT;	
_	0	charge adi blocking adi lawar massio	IBM_TDB	2002/01/14 15:51
-		charge adj blocking adj layer near12 (electron near3 hole) and (photoelectric	USPAT; US-PGPUB;	2003/01/14 15:51
		or photodetector).ti,ab.	EPO; JPO;	
		or photoaccocoty, cryab.	DERWENT;	
			IBM TDB	
			100	

_	18	blocking adj layer near12 (electron near3 hole) and (photoelectric or photodetector).ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/01/14 19:50
-	401	<pre>(photoelectric or photedetector).ti,ab. and (tft or thin adj film adj transistor).ti,ab.</pre>	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/01/14 19:51
_	31	(photoelectric or photodetector).ti,ab. and (tft or thin adj film adj transistor).ti,ab. and photoelectric adj conversion adj layer	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/01/14 19:52
	43	US-4811069-\$ or US-5914485-\$ or US-4341954-\$ or US-6239355-\$ or US-4696022-\$ or US-5596198-\$ or US-4740710-\$ or US-6127692-\$ or US-5801385-\$ or US-5272548-\$ or US-5233442-\$ or US-5060040-\$ or US-5233442-\$ or US-4745488-\$ or US-5317406-\$ or US-6127684-\$ or US-5812284-\$ or US-5812109-\$ or US-6034406-\$ or US-5841180-\$ or US-6191411-\$ or US-5767560-\$ or US-6245601-\$ or US-5591963-\$ or US-4703169-\$ or US-591963-\$ or US-4703169-\$ or US-5352897-\$ or US-5352897-\$ or US-5352897-\$ or US-62350634-\$ or US-62350634-\$ or US-62350634-\$ or US-62350634-\$ or US-62250634-\$ or US-62250634-\$ or US-63250634-\$ or US-05335544-\$ or US-6233197-\$).did. or (US-05335544-\$ or US-6233197-\$).did. or (US-05335544-\$ or US-05335544-\$ or	USPAT; US-PGPUB; JPO; DERWENT	2003/01/14 20:32
	7	US-4811069-\$ or US-5914485-\$ or US-4341954-\$ or US-6239355-\$ or US-4696022-\$ or US-5596198-\$ or US-4740710-\$ or US-6127692-\$ or US-5801385-\$ or US-5272548-\$ or US-5233442-\$ or US-5060040-\$ or US-4926058-\$ or US-4745488-\$ or US-5317406-\$ or US-6127684-\$ or US-5812284-\$ or US-5812109-\$ or US-6034406-\$ or US-5841180-\$ or US-6034406-\$ or US-5767560-\$ or US-6245601-\$ or US-591963-\$ or US-4703169-\$ or US-5991963-\$ or US-4703169-\$ or US-5352897-\$ or US-5352897-\$ or US-5352897-\$ or US-62350634-\$ or US-60344565-\$ or US-620020186813-\$).did. or (US-20020186813-\$).did. or (US-20020186813-\$).did. or (US-20020186813-\$).did. or (US-20020186813-\$).did. or (US-6233197-\$).did. or (US-63250634-\$ or JP-03159483-\$ or JP-04154280-\$ or JP-03159483-\$ or JP-06233197-\$).did. or (JP-05335544-\$ or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/14 20:33
_	103	JP-11307756-\$).did.) and endo.in. endo.in. and photoelectric.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/01/14 20:33
_	26	endo.in. and photoelectric.ti. and x-ray.ti,ab.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/14 20:46

-	2	jp-06029510\$-\$.did.	USPAT;	2003/01/14 20:47
			US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
	22	 (trap trapped trapping) near6 electrons	USPAT;	2003/07/05 11:19
-	22	near6 interface and (photoelectric adj	US-PGPUB;	2003/07/03 11:19
		conver\$3 photodiode) and dark adj current	EPO; JPO;	
		convers photodrode, and dark adj carrent	DERWENT;	
			IBM TDB	
_	2	("6245601").PN.	USPAT;	2003/07/05 12:37
	_		US-PGPUB;	
			EPO; JPO;	
	l		DERWENT;	
]			IBM_TDB	
-	2	(("6245601").PN.) and (accumulation	USPAT;	2003/07/05 13:02
		refresh\$4 trap\$4 mode idling)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
		h 04 12 -1 t 12 t t-	IBM_TDB	2002/07/05 12:02
-	0	trap\$4 near12 electron near12 interface	USPAT; US-PGPUB;	2003/07/05 13:03
		near12 id1\$3 adj mode	EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	37	trap\$4 near12 electron near12 interface	USPAT;	2003/07/05 13:07
		and (photoelectric pin	US-PGPUB;	2000, 0., 00 10.01
		schottky).ti,ab,clm.	EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	2	trap\$4 near12 electron near12 interface	USPĀT;	2003/07/05 13:09
	1	and idling and (photoelectric pin	US-PGPUB;	
		schottky).ti,ab,clm.	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	15		USPAT;	2003/07/05 13:13
		and mode and (photoelectric pin	US-PGPUB;	
		schottky).ti,ab,clm.	EPO; JPO; DERWENT;	
			IBM TDB	
_	7	trap\$4 near12 electron near12 interface	USPAT;	2003/07/05 13:13
	·	and storage near3 mode and (photoelectric	US-PGPUB;	2003/0//03 13.13
1		pin schottky).ti,ab,clm.	EPO; JPO;	
	!	•	DERWENT;	
			IBM TDB	
- '	0	trap\$4 near12 electron near12 interface	USPĀT;	2003/07/05 13:14
		and (storage near3 mode) near12 trap\$3 and	US-PGPUB;	
1		(photoelectric pin schottky).ti,ab,clm.	EPO; JPO;	
			DERWENT;	
1		h	IBM_TDB	2002/07/05 12 15
-	7	trap\$4 near12 electron near12 interface	USPAT;	2003/07/05 13:15
		and (storage near3 mode) and (photoelectric pin schottky).ti,ab,clm.	US-PGPUB; EPO; JPO;	i
		(photoerectric prin schotcky).tr,db,Cim.	DERWENT;	
			IBM TDB	
-	0	("cdmandprotectionandpluralitynear12cdm").Pl		2003/07/06 08:50
		,	US-PGPUB;	- , - , , , , , , , , , , , , , , , ,
			EPO; JPO;	
1			DERWENT;	
			IBM_TDB	
-	0	("cdmandprotectionandpluralitynear12cdm").P		2003/07/06 08:51
			US-PGPUB;	
	[!		EPO; JPO;	
			DERWENT;	
_	4	cdm.ti,ab,clm. and protection and	IBM_TDB USPAT;	2003/07/06 09:08
	"	plurality near12 cdm	US-PGPUB;	2003/01/00 09:08
		product out	EPO; JPO;	
			DERWENT;	
			IBM TDB	

-	50	cdm near2 device.ti,ab,clm.	USPAT;	2003/07/06 09:32
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
_	4	513267.ap.	USPAT;	2003/07/06 09:33
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
ŀ		(N== 0000070¢ ¢ ==== N DN	IBM_TDB USPAT;	2003/12/26 19:38
-	0	("jp-9098970\$-\$.did.").PN.	JPO;	2003/12/26 19:38
			DERWENT	
-	2	jp-09098970\$-\$.did.	USPAT;	2003/12/26 20:40
			US-PGPUB;	
			JPO;	
		. 000100000 0 434	DERWENT	2003/12/26 10:40
-	2	jp-06313392\$-\$.did.	USPAT; US-PGPUB;	2003/12/26 19:48
			JPO;	
			DERWENT	
-	49	(US-5596198-\$ or US-4696022-\$ or	USPAT;	2003/12/26 19:45
		US-5841180-\$ or US-5812109-\$ or	US-PGPUB;	
		US-5335094-\$ or US-6245601-\$ or	JPO;	
		US-6075256-\$ or US-4811069-\$ or	DERWENT	
1		US-5767560-\$ or US-5101255-\$ or US-5352921-\$ or US-5352897-\$ or		
		US-5591963-\$ or US-5591960-\$ or		
		US-4703169-\$ or US-4980769-\$ or		
		US-4740710-\$ or US-6191411-\$ or		
		US-6127684-\$ or US-5914485-\$ or		
		US-6034406-\$ or US-5801385-\$ or		
		US-6239355-\$ or US-4341954-\$ or		
		US-5317406-\$ or US-5812284-\$).did. or (US-5233442-\$ or US-4745488-\$ or		
		US-5272548-\$ or US-4926058-\$ or		
		US-5060040-\$ or US-6476867-\$ or		
		US-6127692-\$ or US-6512279-\$).did. or		
		(US-20020167061-\$ or US-20010024844-\$ or		
		US-20010050402-\$ or US-20020186813-\$).did. or (JP-63144565-\$ or JP-62058674-\$ or		
		JP-64000775-\$ or JP-62058674-\$ or		
		JP-06233197-\$ or JP-04154280-\$ or		
		JP-03159483-\$ or JP-11121783-\$ or		
		JP-09098970-\$).did. or (JP-11307756-\$ or		
		JP-05335544-\$).did.		
-	1	((US-5596198-\$ or US-4696022-\$ or	USPAT;	2003/12/26 19:45
		US-5841180-\$ or US-5812109-\$ or US-5335094-\$ or US-6245601-\$ or	US-PGPUB; JPO;	
		US-6075256-\$ or US-4811069-\$ or	DERWENT	
		US-5767560-\$ or US-5101255-\$ or		
		US-5352921-\$ or US-5352897-\$ or		
		US-5591963-\$ or US-5591960-\$ or		
		US-4703169-\$ or US-4980769-\$ or		
		US-4740710-\$ or US-6191411-\$ or		
		US-6127684-\$ or US-5914485-\$ or US-6034406-\$ or US-5801385-\$ or		
		US-6239355-\$ or US-4341954-\$ or		
		US-5317406-\$ or US-5812284-\$).did. or		
		(US-5233442-\$ or US-4745488-\$ or		
]		US-5272548-\$ or US-4926058-\$ or		
		US-5060040-\$ or US-6476867-\$ or		
		US-6127692-\$ or US-6512279-\$).did. or (US-20020167061-\$ or US-20010024844-\$ or		
		US-20010050402-\$ or US-20010024844-\$ or US-20010050402-\$ or US-20020186813-\$).did.		
]		or (JP-63144565-\$ or JP-62058674-\$ or		
		JP-64000775-\$ or JP-63250634-\$ or		
		JP-06233197-\$ or JP-04154280-\$ or		
		JP-03159483-\$ or JP-11121783-\$ or		
		JP-09098970-\$).did. or (JP-11307756-\$ or		
L		JP-05335544-\$).did.) and umibe.in.	L	

<u>-</u>	17	umibe.in. and "x-ray"	USPAT;	2003/12/26 20:23
		_	US-PGPUB;	1
			JPO;	1
ļ			DERWENT	
-	1	("6245601").PN.	USPAT	2003/12/26 20:23
-	2	842694.ap.	USPAT;	2003/12/26 20:44
]			US-PGPUB;	
			JPO;	
			DERWENT	
_	3195		USPAT;	2003/12/26 20:45
		(257/449) or (250/370.01)).CCLS.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	414	(((257/414) or (257/431) or (257/448) or	USPAT;	2003/12/26 20:46
		(257/449) or (250/370.01)).CCLS.) and	US-PGPUB;	
		photoelectric.ti,ab,clm.	EPO; JPO;	
			DERWENT;	
		(4,4057,444) (057,404) (057,440)	IBM_TDB	0000/10/05 00 15
_	282	(USPAT;	2003/12/26 20:46
		(257/449) or (250/370.01)).CCLS.) and	US-PGPUB;]
		photoelectric near3 (conversion converter	EPO; JPO; DERWENT;	
		convertor).ti,ab,clm.	IBM TDB	
	5	842694.pn.	USPAT;	2004/06/13 12:39
-	1	642094.pii.	US-PGPUB;	2004/00/13 12.39
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	2	842694.ap.	USPĀT;	2004/06/13 14:35
			US-PGPUB;	
		·	EPO; JPO;	
1			DERWENT;	·
	1		IBM TDB	